## **ABSTRACT**

Based on a principle that is different to that of a conventional enzymatic method, the present invention provides a novel method for assaying a glycated protein by a simple procedure, within a short period of time, and with high accuracy, and a reagent kit for assaying used in the method. The method for assaying a glycated protein in a sample is realized by treating a glycated protein-containing sample with protease to liberate a glycated peptide, preferably an  $\alpha$ -glycated peptide, particularly preferably an  $\alpha$ -glycated dipeptide, from a glycated protein, allowing an oxidase to react with the liberated glycated peptide, and determining the produced hydrogen peroxide.